PALM INTRANET

Day : Tuesday
Date: 5/11/1999
Time: 12:54:56

Inventor Name Search Result

Your Search was:

Last Name = HASSELL
First Name = JOEL

Search and Display More Records.

The Display is limited to a maximum of 25 records and the Search is limited to a maximum of 1000 records.

25 records of 26 records searched are Displayed.

Serial#	Patent#	Status	Date Filed	Title	Inventor Name
09139798	Not Issued	30	08/25/1998	PROGRAM GUIDE SYSTEM WITH MONITORING OF ADVERTISEMENT USAGE AND USER	HASSELL , JOEL G
08948756	Not Issued	30	10/10/1997	PROGRAM GUIDE DATA DISTRIBUTION SYSTEM WITH CONFIGURABLE QUEUES	HASSELL , JOEL G.
09034934	Not Issued	30	03/04/1998	PROGRAM GUIDE SYSTEM WITH PREFERENCE PROFILES	HASSELL , JOEL G.
09070555	Not Issued	30	04/30/1998	PROGRAM GUIDE SYSTEM WITH FLIP AND BROWSE ADVERTISEMENTS	HASSELL , JOEL G.
09070604	Not Issued	30	04/30/1998	PROGRAM GUIDE SYSTEM WITH ADVERTISEMENTS	HASSELL , JOEL G.
09110667	Not Issued	30	07/07/1998	INTERACTIVE TELEVISION PROGRAM GUIDE SYSTEM WITH LOCAL ADVERTISEMENTS	HASSELL , JOEL G.
09139777	Not Issued	30	08/25/1998	INTERACTIVE TELEVISION PROGRAM GUIDE SYSTEM FOR DETERMINING USER	HASSELL , JOEL G.
09140965	Not Issued	30	08/27/1998	ELECTRONIC PROGRAM GUIDE WITH INTERACTIVE SCREEN GAME	HASSELL , JOEL G.
09157256	Not Issued	30	09/17/1998	ELECTRONIC PROGRAM GUIDE WITH DIGITAL STORAGE	HASSELL , JOEL G.
09213851	Not Issued	30	12/17/1998	ELECTRONIC MAIL NOTIFICATION SYSTEM	HASSELL , JOEL G.
09229047	Not Issued	30	01/12/1999	PROGRAM GUIDE SYSTEM	HASSELL ,

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     (FILE 'USPAT' ENTERED AT 09:04:59 ON 11 MAY 1999)
L1           131 S 348/906/CLS
L2          7240 S (CABLE? OR TELEVISION# OR TV) (2A) (SCHEDUL? OR GUIDE?)
L3           837 S EPG# OR PROGRAM####-GUIDE?
L4          7923 S L2 OR L3
L5             5 S L4 AND HISTOR?/TI,AB
L6            70 S L4 AND (HISTOR? OR CUSTOM?)/TI,AB
L7        931987 S CONFIGUR? OR RECONFIGUR? OR ASSIGN? OR REASSIGN?
L8          5888 S L7 (4A) (QUEUE# OR FIFO# OR BUFFER?)
L9             0 S L6 AND L8
L10          134 S L4 (P) (HISTOR? OR CUSTOM?)
L11            4 S L10 AND L8
L12           26 S L4 AND (HISTOR? OR CUSTOM OR CUSTOMIZ? OR CUSTOMIS?)/TI,
AB
L13          162 S (TELEVISION# OR CABLE? OR TV) (2A) MENU?
L14           12 S L13 AND (HISTOR? OR CUSTOM OR CUSTOMIZ? OR CUSTOMIS?)/TI
,AB
L15            7 S L14 NOT L12
L16           93 S (L4 OR L13) AND (PROFILE? OR PROFILING#)/TI,AB
L17           92 S L16 NOT (L15 OR L12)
L18           40 S REPROGRAM? (4A) (QUEUE# OR FIFO# OR BUFFER?)
L19            0 S (L17 OR L15 OR L12) AND (L18 OR L8)
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     (FILE 'USPAT' ENTERED AT 14:20:51 ON 11 MAY 1999)
L1          7342 S (TELEVISION? OR TV OR CABLE?) (2A) (SCHEDULE? OR GUIDE?
OR
L2             7 S L1 (P) (LOCALIZ? OR LOCALIS?)
L3           284 S L1 (P) REGION#
L4            11 S L3 AND 348/CLAS
                 E STARSIGHT/AS
L5            14 S E4-E5
L6             4 S L5 AND (LOCALIZ? OR LOCALIS? OR REGIONAL? OR GEOGRAPHIC?
 OR

=> d cit 1-
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1. 5,828,945, Oct. 27, 1998, Merging multi-source information in a television system; Brian Lee Klosterman, 455/42; 348/12, 569, 589, 906 [IMAGE AVAILABLE]

2. 5,790,198, Aug. 4, 1998, Television schedule information transmission and utilization system and process; John H. Roop, et al., 348/460, 6, 467, 473, 906 [IMAGE AVAILABLE]

3. 5,684,525, Nov. 4, 1997, Merging multi-source information in a television system; Brian Lee Klosterman, 348/12, 13, 569, 584, 906 [IMAGE AVAILABLE]

4. 5,619,274, Apr. 8, 1997, Television schedule information transmission and utilization system and process; John H. Roop, et al., 348/461, 6, 478, 906; 455/3.2 [IMAGE AVAILABLE]

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L15           7 S L14 NOT L12
L16          93 S (L4 OR L13) AND (PROFILE? OR PROFILING#)/TI,AB
L17          92 S L16 NOT (L15 OR L12)

=> d l12 8,2, 4 cit,ab
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8. 5,798,785, Aug. 25, 1998, Terminal for suggesting programs offered on a television program delivery system; John S. Hendricks, et al., 348/1, 6, 10, 12; 455/2, 5.1, 6.2 [IMAGE AVAILABLE]

US PAT NO: 5,798,785 [IMAGE AVAILABLE] L12: 8 of 26

ABSTRACT:
A novel reprogrammable set top terminal for a television program delivery system which suggests programs for viewing is described. The invention relates to methods and apparatus for reprogramming set top terminals, and selecting and displaying programs to suggest to subscribers for viewing. The invention is particularly useful in television program delivery systems with hundreds of channels of programming, a menu driven program selection system, and a program control information signal which carries data and identifies the available program choices. Specifically, the invention relates to remote reprogramming of terminal memory and the gathering and analysis of data for selecting programs to suggest to a subscriber. The invention is a terminal which includes a circuit for receiving incoming signals, a processor, memory, and a circuit to generate menu screens for display on a TV or monitor. Various data gathering and analysis techniques are used to **customize** selection of programs for display on a menu.

2. 5,901,246, May 4, 1999, Ergonomic man-machine interface incorporating adaptive pattern recognition based control system; Steven M. Hoffberg, et al., 382/209 [IMAGE AVAILABLE]

US PAT NO: 5,901,246 [IMAGE AVAILABLE] L12: 2 of 26

ABSTRACT:
An adaptive interface for a programmable system, for predicting a desired user function, based on user **history**, as well as machine internal status and context. The apparatus receives an input from the user and

other data. A predicted input is presented for confirmation by the user, and the predictive mechanism is updated based on this feedback. Also provided is a pattern recognition system for a multimedia device, wherein a user input is matched to a video stream on a conceptual basis, allowing inexact programming of a multimedia device. The system analyzes a data stream for correspondence with a data pattern for processing and storage. The data stream is subjected to adaptive pattern recognition to extract features of interest to provide a highly compressed representation which may be efficiently processed to determine correspondence. Applications of the interface and system include a VCR, medical device, vehicle control system, audio device, environmental control system, securities trading terminal, and smart house. The system optionally includes an actuator for effecting the environment of operation, allowing closed-loop feedback operation and automated learning.

4. 5,875,108, Feb. 23, 1999, Ergonomic man-machine interface incorporating adaptive pattern recognition based control system; Steven M. Hoffberg, et al., 364/146, 188; 382/181, 190 [IMAGE AVAILABLE]

US PAT NO: 5,875,108 [IMAGE AVAILABLE] L12: 4 of 26

ABSTRACT:
An adaptive interface for a programmable system, for predicting a desired user function, based on user **history**, as well as machine internal status and context. The apparatus receives an input from the user and other data. A predicted input is presented for confirmation by the user, and the predictive mechanism is updated based on this feedback. Also provided is a pattern recognition system for a multimedia device, wherein a user input is matched to a video stream on a conceptual basis, allowing inexact programming of a multimedia device. The system analyzes a data stream for correspondence with a data pattern for processing and storage. The data stream is subjected to adaptive pattern recognition to extract features of interest to provide a highly compressed representation which may be efficiently processed to determine correspondence. Applications of the interface and system include a VCR, medical device, vehicle control system, audio device, environmental control system, securities trading terminal, and smart house. The system optionally includes an actuator for effecting the environment of operation, allowing closed-loop feedback operation and automated learning.

=> d l15 4 cit,ab

4. 5,559,549, Sep. 24, 1996, Television program delivery system; John S. Hendricks, et al., 348/6, 12; 455/5.1 [IMAGE AVAILABLE]

US PAT NO: 5,559,549 [IMAGE AVAILABLE] L15: 4 of 7

ABSTRACT:
An expanded television program delivery system is described which allows viewers to select television and audio program choices from a series of menus. The primary components of the system include an operations center, a digital cable headend, and at least one set top terminal having a remote control. The system allows for a great number of television signals to be transmitted by using digital compression techniques. A combined signal is transmitted over satellite to a cable headend, which may modify the combined signal for changes or additions in programming or menu content. The combined or modified signal is subsequently distributed to individual set top terminals in the **cable** network. **Menus** are partially stored in a set top terminal in each subscribers home and may be reprogrammed by signals sent from the operations center or headend. Numerous types of menus may be used, incorporating information included within the video/data signal received by the set top terminal. A remote control unit with icon buttons allows a subscriber to select programs based upon a series of major menus, submenus, and during program menus.

Various data gathering and analysis techniques are used to compile programs watched information that in turn is used in packaging programs, **customizing** menu selections, targeting advertisements, and maintaining account and billing information.

=> d l17 6,10, 12 cit,ab

6. 5,801,747, Sep. 1, 1998, Method and apparatus for creating a television viewer **profile**; Karen Bedard, 348/1, 10 [IMAGE AVAILABLE]

US PAT NO: 5,801,747 [IMAGE AVAILABLE] L17: 6 of 92

ABSTRACT:
A method and apparatus are disclosed for monitoring television viewing activity to determine preferred categories of programming and preferred channels of a viewer. To facilitate viewer access to preferred programming, the display of an electronic **program guide** may be configured in accordance with the monitored viewing activity to provide fast access to the preferred programming. The monitored viewing activity may also be used to provide a lock-out feature to prevent or limit the viewing of specified channels or categories of programming, or to identify and provide information of interest from the internet. In yet another embodiment of the invention, a viewer may automatically circulate through his or her preferred programming, as determined by monitoring the viewing activity of that viewer.

10. 5,734,720, Mar. 31, 1998, System and method for providing digital communications between a head end and a set top terminal; Marcos Salganicoff, 380/20, 21, 30, 44, 47 [IMAGE AVAILABLE]

US PAT NO: 5,734,720 [IMAGE AVAILABLE] L17: 10 of 92

ABSTRACT:
A system and method for scheduling the receipt of desired movies and other forms of data from a network. Feedback paths are provided so that customer's **profiles** and/or the **profiles** of the video programs or other data may be modified to reflect actual usage. Secure digital communications between a video head end and a customer's set top terminal in the feedback path is provided by generating, at the video head end, a seed random number N for seeding a random number generator of the customer's set top terminal, encrypting seed random number N using a public key algorithm using a public key P of the video head end to yield encrypted seed random number E(N,P), sending the encrypted seed random number E(N,P) to the customer's set top terminal, decrypting the encrypted seed random number E(N,P) at the customer's set top terminal using a private key of the customer's set top terminal to yield seed random number N, generating a first number for each number i in a sequence K.sub.i at the customer's set top terminal and logically exclusive-ORing the first number in the sequence K.sub.i with a first data word in the decrypted data stream P.sub.i from the video head end, thereby forming a data stream C.sub.i, sending the result C.sub.i from the customer's set top terminal to the video head end, and decrypting C.sub.i to yield a decrypted P.sub.i by logically exclusive-ORing sequence K.sub.i with C.sub.i.

12. 5,694,595, Dec. 2, 1997, Remote user **profile** management administration in a computer network; Dwayne Charles Jacobs, et al., 707/9, 10; 709/225; 713/201 [IMAGE AVAILABLE]

US PAT NO: 5,694,595 [IMAGE AVAILABLE] L17: 12 of 92

ABSTRACT:
A security system interface which uses the message passing capability of the distributed application to send messages to remote copies of itself

and the security system at the remote system to carry out the remote user **profile** administrat[redacted] function at the remote machin[redacted] A message for a remote user **profi**[redacted] administration function is constructed in a syntax used by a distributed application. The message is sent by a local copy of the distributed application resident at a local system to a remote copy of the distributed application resident at a remote system. The message is translated by the security system interface resident at the remote system into a user **profile** function usable by the security system. Finally, the user **profile** function is performed by a security system resident at the remote system. In the preferred embodiment, the distributed application is a database management program and the message is a data structure containing information for the remote user **profile** administration function.

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Pinder

Cable television equipment manufacturers have solved the problem of limited memory capacity by providing expansion memories, for example, in the form of so-called smart cards including such memories. Generally, as memory requirements increased, so did the size of the memories made available. For example, U.S. Pat. No. 5,367,571 to Bowen et al. issued November, 1994, describes a subscription terminal with an expansion slot adapted to received such a smart card including programmable memory. The memory, for example may be utilized for special graphics features, control software or other features. Related copending application Ser. No. 07/983,909 filed Dec. 1, 1992, entitled "Reprogrammable Subscriber Terminal" describes a reprogrammable subscriber terminal in which sixteen pages of 64 bytes capacity each of EEPROM memory can be programmed from a head-end. 5440632

One example of a prior art reconfigurable terminal is described by U.S. Pat. No. 5,003,591 to Kauffman et al. This patent describes a cable television converter with remotely modifiable functionality. Firmware may be downloaded over a cable television network. Nonvolatile memory is coupled to a processor for storing a default operating program in the event no firmware is downloaded to the terminal. It is suggested that a procedure for ordering pay-per-view programs can be modified through downloadable firmware or utility meter reading may be provided by adding an asynchronous data port and controlling the retrieval of utility data via downloaded firmware.